

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P953770

Luminaire Tested: **GALN-SB7B-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

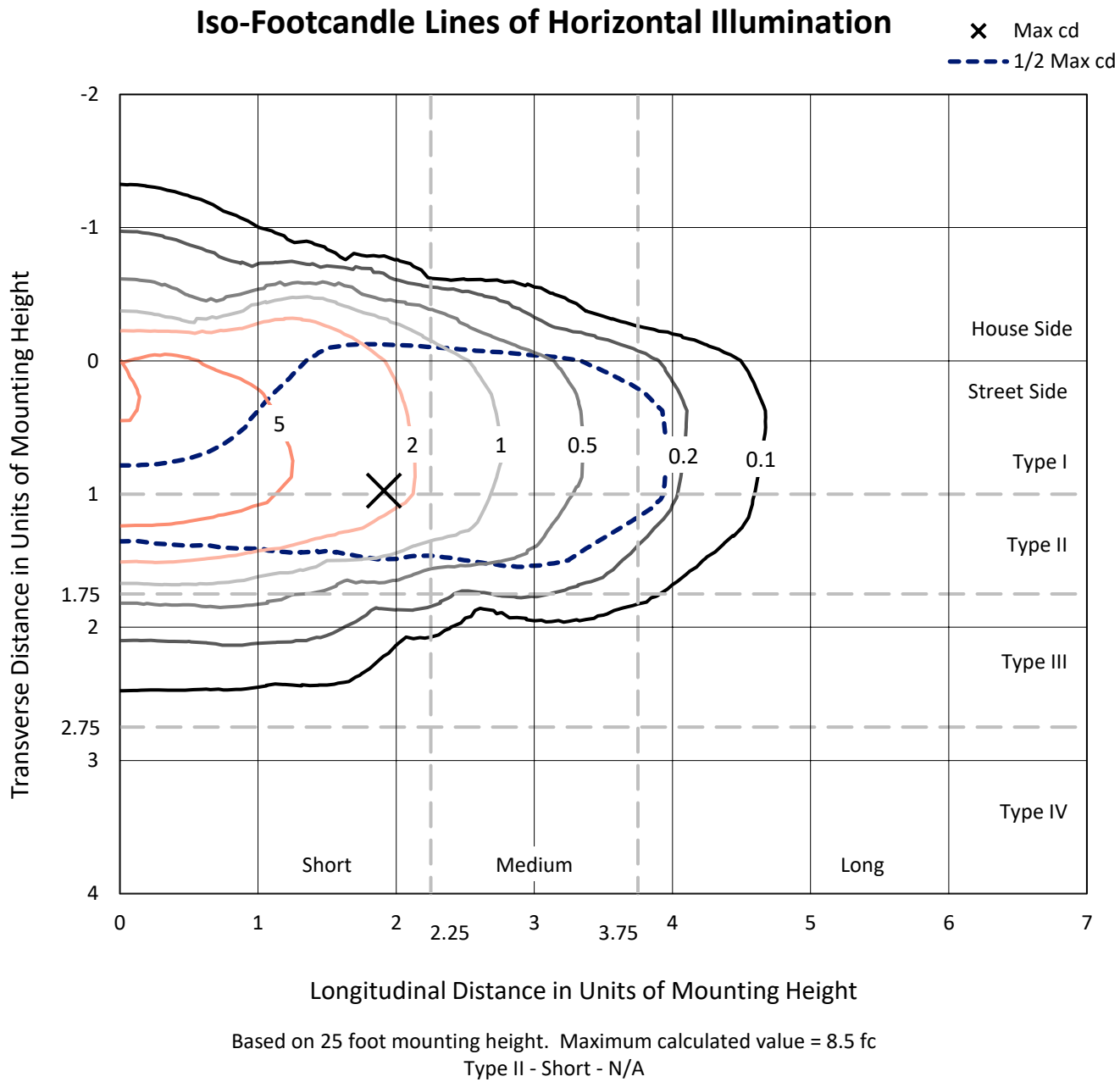
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25282 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

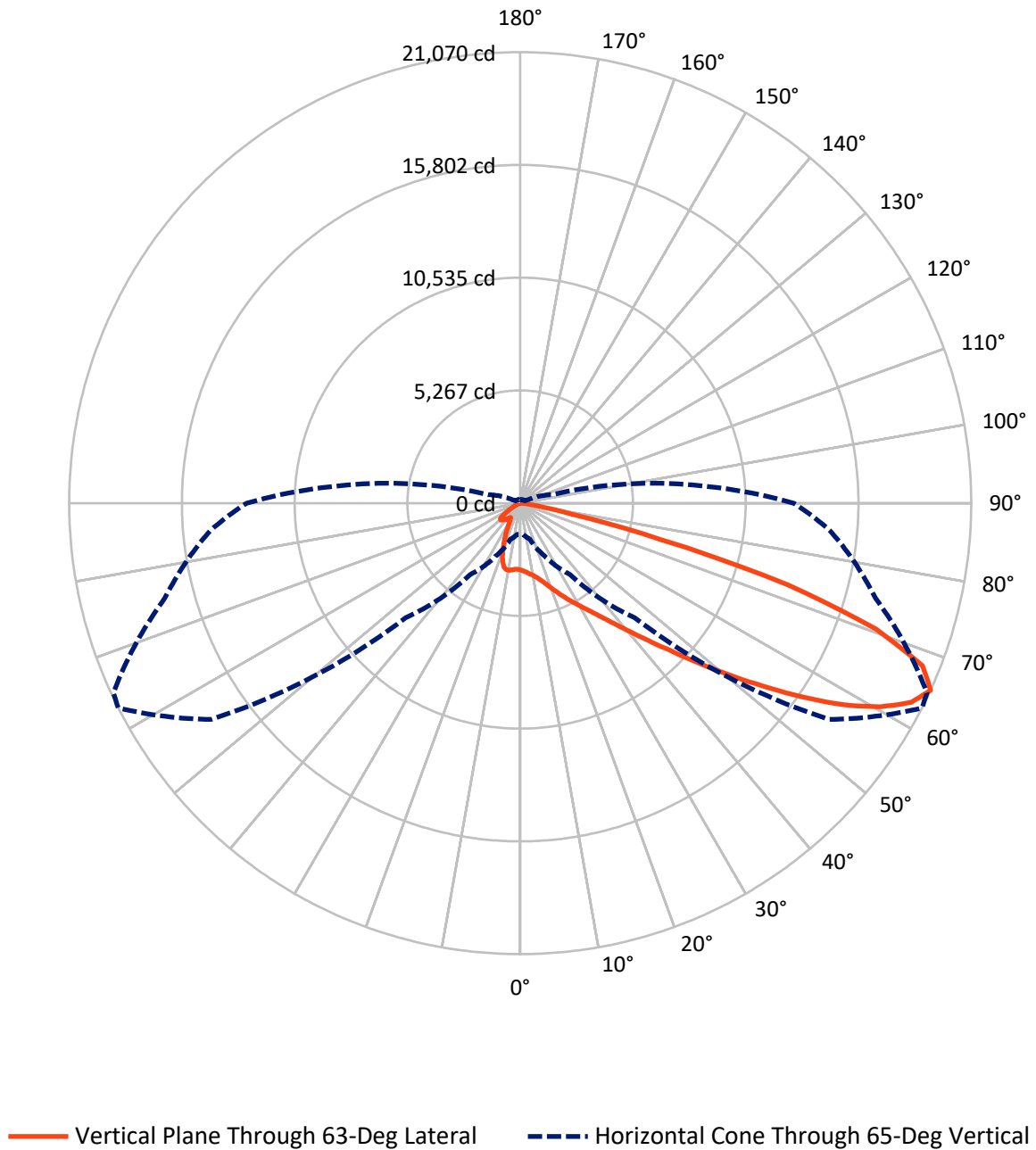


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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3716.2	0.0	3716.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21565.7	0.0	21565.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	25282.0	0.0	25282.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.0	1.2
10°-20°	815.7	3.2
20°-30°	1420.4	5.6
30°-40°	2560.1	10.1
40°-50°	5077.4	20.1
50°-60°	6916.3	27.4
60°-70°	5520.5	21.8
70°-80°	2498.1	9.9
80°-90°	179.6	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	25282.0	100.0
0°-180°	25282.0	100.0

Coefficient of Utilization



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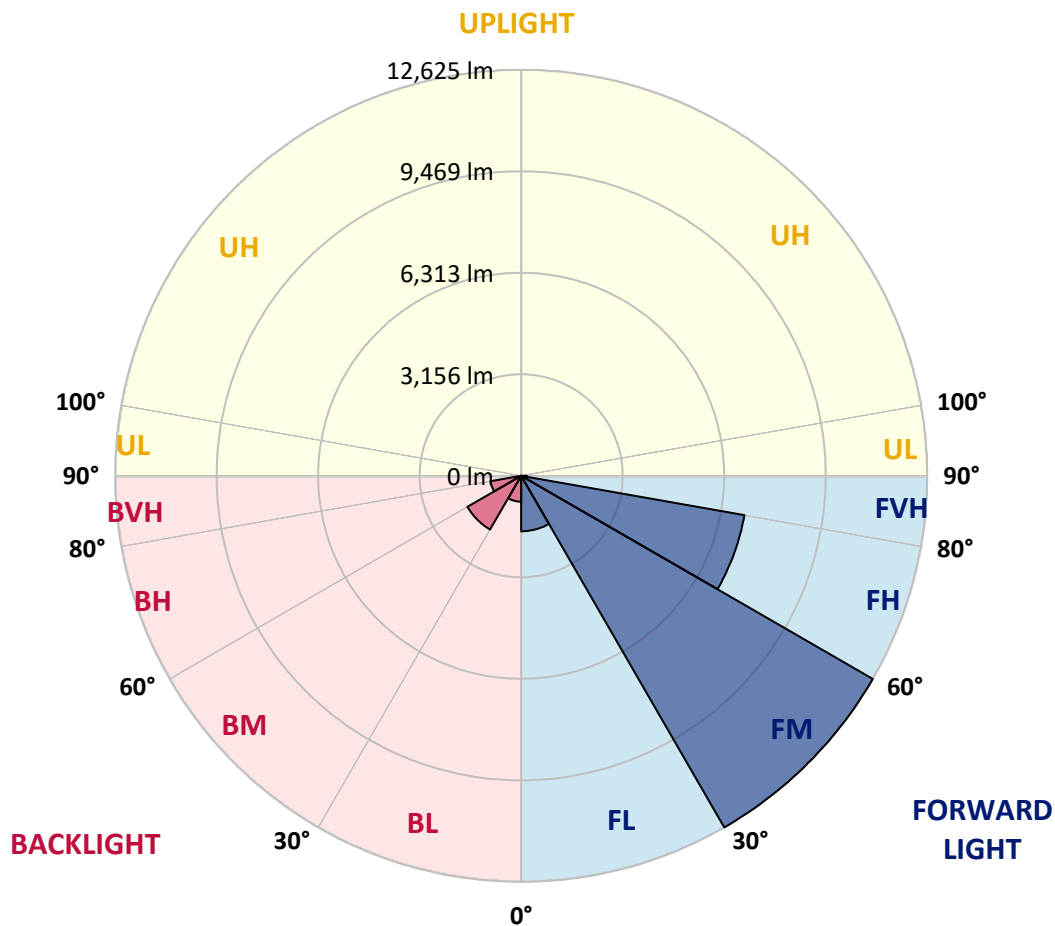
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1725.8	6.8			
FM	(30°-60°)	12625.2	49.9			
FH	(60°-80°)	7048.5	27.9			G3/7500
FVH	(80°-90°)	166.2	0.7			G2/225
BL	(0°-30°)	804.3	3.2	B2/1000		
BM	(30°-60°)	1928.5	7.6	B2/2500		
BH	(60°-80°)	970.2	3.8	B2/1000		G2/1000
BVH	(80°-90°)	13.3	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3
2.5°	3193.3	3184.6	3196.8	3191.6	3188.1	3181.2	3177.7	3174.2	3167.2	3162.0	3141.1
5°	3202.0	3196.8	3209.0	3219.4	3229.9	3240.3	3245.5	3252.5	3245.5	3231.6	3210.7
7.5°	3129.0	3125.5	3151.6	3182.9	3229.9	3269.9	3313.3	3337.7	3339.4	3334.2	3311.6
10°	3123.8	3115.1	3141.1	3179.4	3240.3	3311.6	3388.1	3440.3	3447.3	3469.9	3445.5
12.5°	3205.5	3196.8	3233.3	3275.1	3337.7	3412.5	3506.4	3579.4	3589.9	3621.2	3603.8
15°	3342.9	3330.7	3372.5	3426.4	3506.4	3591.6	3690.8	3756.9	3765.6	3803.8	3772.5
17.5°	3502.9	3490.7	3539.4	3596.8	3683.8	3800.3	3915.1	3988.2	3998.6	4023.0	3965.6
20°	3708.2	3692.5	3730.8	3782.9	3875.1	4014.3	4151.7	4256.0	4254.3	4254.3	4160.4
22.5°	3946.4	3922.1	3955.1	3996.9	4083.8	4252.6	4435.2	4558.7	4558.7	4510.0	4355.2
25°	4202.1	4177.8	4214.3	4252.6	4329.1	4520.4	4734.3	4887.4	4894.3	4810.9	4563.9
27.5°	4522.1	4490.8	4518.7	4563.9	4609.1	4803.9	5057.8	5235.2	5238.7	5110.0	4762.2
30°	5137.8	5049.1	4962.2	4913.5	4934.4	5127.4	5398.7	5595.3	5612.7	5435.3	4977.8
32.5°	6264.9	6247.5	5941.4	5541.4	5332.6	5475.3	5779.6	6016.2	6026.6	5798.8	5257.9
35°	8016.4	7995.5	7503.3	6741.5	6061.4	5941.4	6242.3	6522.3	6515.4	6257.9	5621.4
37.5°	10107.0	10087.9	9439.1	8419.9	7318.9	6645.8	6838.9	7132.8	7176.3	6838.9	6091.0
40°	11893.2	11821.9	11411.4	10428.8	8988.6	7814.6	7687.6	7882.4	7927.7	7527.6	6687.5
42.5°	13246.4	13185.5	12976.8	12362.8	11009.7	9543.5	8687.7	8762.5	8813.0	8332.9	7372.8
45°	13947.3	13933.4	14016.9	13959.5	13069.0	11665.4	10117.4	9806.1	9825.2	9225.2	8150.3
47.5°	14046.5	14039.5	14420.4	14959.6	14839.6	14058.6	11952.4	11107.1	11039.2	10232.2	8995.6
50°	13462.1	13448.1	14178.6	15189.2	16022.3	16069.3	14036.0	12573.3	12423.7	11274.0	9877.4
52.5°	11595.8	11592.3	12792.4	14474.3	16438.0	17829.4	16095.3	14183.9	13933.4	12376.7	10809.7
55°	8922.5	8986.9	10362.7	12350.7	15679.7	18676.4	17944.2	15971.9	15587.5	13486.4	11668.9
57.5°	6320.6	6414.5	7774.6	9545.2	13328.1	18175.5	19194.7	17763.3	17349.4	14592.6	12540.2
60°	3395.1	3478.6	4840.4	6953.7	9915.7	16307.5	19853.9	19318.2	18926.9	15643.1	13326.4
62.5°	2022.8	2050.6	2614.1	4489.1	6706.7	12458.5	19573.9	20502.7	20180.9	16524.9	14009.9
65°	1452.3	1457.5	1741.0	2741.1	4071.7	7569.4	17610.3	21069.7	20970.6	17189.3	14516.1
67.5°	1222.7	1219.2	1337.5	1821.0	2774.2	3791.6	13496.8	20267.9	20688.8	17610.3	14803.1
70°	1048.8	1054.0	1193.1	1334.0	2085.4	2146.3	6710.2	17646.8	18544.3	17721.6	14785.7
72.5°	780.9	798.3	927.0	1215.8	1574.1	1476.7	2316.7	13084.6	14707.4	16697.1	14018.6
75°	551.4	560.0	652.2	1022.7	1174.0	1074.9	1182.7	6764.1	8844.3	12801.1	11474.1
77.5°	424.4	440.0	494.0	714.8	1156.6	754.8	723.5	2341.1	3596.8	7732.9	7866.8
80°	229.6	257.4	356.6	516.6	812.2	534.0	358.3	932.3	1219.2	3616.0	3033.3
82.5°	118.3	132.2	248.7	372.2	462.6	466.1	177.4	387.9	502.7	1116.6	415.7
85°	47.0	57.4	167.0	205.2	238.3	229.6	80.0	156.5	180.9	309.6	127.0
87.5°	10.4	17.4	60.9	47.0	45.2	48.7	19.1	36.5	34.8	36.5	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3	3120.3
2.5°	3139.4	3132.5	3113.3	3092.4	3068.1	3054.2	3045.5	3043.7	3031.6	3022.9	3031.6
5°	3191.6	3184.6	3148.1	3104.6	3057.7	3021.1	2986.4	2955.0	2909.8	2901.1	2897.6
7.5°	3295.9	3276.8	3217.7	3158.5	3069.8	2963.7	2835.0	2687.2	2555.0	2515.0	2495.9
10°	3424.7	3398.6	3323.8	3219.4	3022.9	2734.2	2422.8	2134.1	1904.5	1840.2	1815.8
12.5°	3570.8	3548.1	3449.0	3255.9	2826.3	2302.8	1826.2	1468.0	1245.3	1189.7	1174.0
15°	3744.7	3711.6	3574.2	3200.3	2475.0	1749.7	1254.0	1041.8	961.8	951.4	941.0
17.5°	3929.0	3875.1	3685.5	3000.3	2001.9	1243.6	968.8	907.9	873.1	862.7	857.5
20°	4097.8	4028.2	3751.6	2697.6	1495.8	968.8	867.9	827.9	796.6	784.4	777.5
22.5°	4266.5	4167.3	3751.6	2285.4	1121.8	859.2	796.6	760.1	723.5	707.9	699.2
25°	4442.1	4309.9	3685.5	1826.2	902.7	787.9	728.8	688.8	657.4	638.3	631.4
27.5°	4612.6	4430.0	3534.2	1391.4	803.5	725.3	666.1	627.9	598.3	584.4	584.4
30°	4774.3	4548.2	3322.0	1055.7	739.2	664.4	608.7	575.7	546.1	532.2	534.0
32.5°	4993.5	4697.8	3095.9	866.2	683.5	607.0	556.6	525.3	499.2	488.7	488.7
35°	5297.9	4918.7	2901.1	850.5	636.6	560.0	509.6	480.0	454.0	445.3	445.3
37.5°	5729.2	5275.3	2798.5	954.9	598.3	518.3	471.3	440.0	415.7	408.7	407.0
40°	6261.4	5758.8	2854.2	1059.2	572.2	481.8	436.6	405.3	384.4	375.7	373.9
42.5°	6892.8	6355.3	3162.0	1139.2	554.8	450.5	403.5	368.7	354.8	351.3	351.3
45°	7618.1	7011.1	3633.4	1224.5	527.0	420.9	370.5	344.4	333.9	332.2	330.5
47.5°	8442.5	7731.1	4179.5	1330.6	499.2	393.1	344.4	327.0	318.3	314.8	314.8
50°	9260.0	8456.4	4741.3	1389.7	476.6	367.0	323.5	309.6	302.6	300.9	300.9
52.5°	10115.7	9202.6	5195.2	1334.0	457.4	346.1	306.1	295.7	288.7	287.0	287.0
55°	10931.4	9806.1	5273.5	1132.3	419.2	325.2	287.0	281.8	273.1	273.1	271.3
57.5°	11634.1	10108.7	4720.4	831.4	380.9	293.9	267.8	262.6	255.7	253.9	252.2
60°	12279.3	10021.8	3643.8	560.0	339.2	262.6	243.5	240.0	233.1	224.4	222.6
62.5°	12642.9	9639.1	2492.4	365.2	297.4	229.6	215.7	213.9	198.3	180.9	177.4
65°	12780.3	8853.0	1554.9	266.1	248.7	196.5	186.1	182.6	160.0	140.9	139.1
67.5°	12660.3	7558.9	784.4	210.5	196.5	163.5	153.1	153.1	137.4	120.0	118.3
70°	12180.2	5666.6	330.5	168.7	151.3	125.2	125.2	132.2	116.5	97.4	95.7
72.5°	11138.4	3812.5	175.7	128.7	113.1	88.7	102.6	107.8	92.2	73.0	73.0
75°	8854.7	2325.4	121.7	95.7	71.3	62.6	78.3	81.7	62.6	48.7	47.0
77.5°	6056.2	1335.8	81.7	60.9	45.2	36.5	53.9	50.4	33.0	22.6	24.3
80°	2659.4	556.6	47.0	27.8	17.4	13.9	19.1	13.9	10.4	7.0	7.0
82.5°	311.3	130.4	17.4	10.4	7.0	3.5	1.7	0.0	0.0	0.0	0.0
85°	64.4	15.7	8.7	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.2	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)